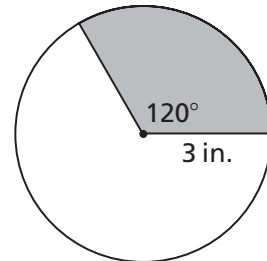


Additional Practice

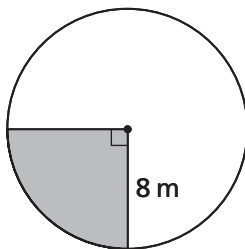
Lesson 5.5

- Find the area of a circle with the given dimensions.
 - a radius of 12 m
 - a diameter of 20 in.
 - a radius of 8 in.
 - the circle obtained by scaling a circle of radius 4 in. by a factor of $\frac{1}{2}$
- What fraction of the circle's area is the shaded sector?
 - What is the *exact* area of the circle?
 - What is the *exact* area of the sector?

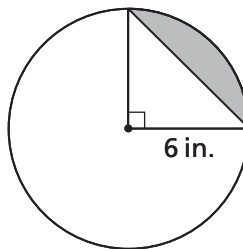


- Find the area of each shaded region.

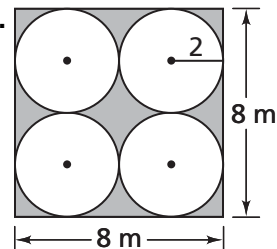
a.



b.

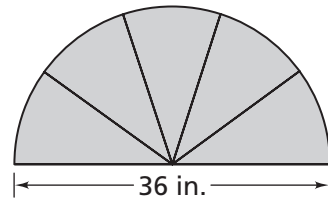


c.

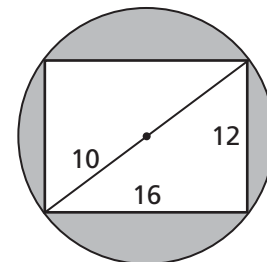


- A pizza is cut into 6 equal slices. Find the area of one slice if the pizza has the given diameter.
 - 12 inches
 - 16 inches
 - The crust is 1 inch wide. What is the area of the slice, minus the crust, for the 12-inch pizza?

- A "sunburst" window found above residential doorways is a half circle with five equal sectors. The window has a width of 36 inches.
 - What is its area?
 - What is the area of one sector of the window?



- A rectangular pool is inscribed within a circle. A patio surrounds the pool, indicated by the shaded region. Find the area of the patio.



- An archery target has 4 concentric circles. Each section is 3 inches wide. What is the area of the shaded section?

